20020921.qrp v02_n685.qrl.20020921

Date: Sat, 21 Sep 2002 19:03:04 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2685

QRP-L Digest 2685

Topics covered in this issue include:

by Karl Kanalz <kkanalz@gcecisp.com>
20) [135675] RE:Audio Pots
by Karl Kanalz <kkanalz@gcecisp.com>
21) [135676] Re: 1 Meg Splits on 2 Meters
by "Mike Yetsko" <myetsko@insydesw.com>
22) [135677] RE:Audio Pots
by "Mike Yetsko" <myetsko@insydesw.com>
23) [135678] Re: "Anderson PowerPole"
by Don <dwittlic@apci.net>
24) [135679] Re: T-T Corsair I for QRP
by David Gauding <david.gauding@bbs.galilei.com>
25) [135680] RE:Excuse Me!
by Karl Kanalz <kkanalz@gcecisp.com>
26) [135681] Re: 1 Meg Splits on 2 Meters
by Hank Kohl K8DD <k8dd@arrl.net>
27) [135682] It's Alive...sorta
by David J Adams <david@theadamsclan.com>
28) [135683] Re: Audio Pots
by "George, W5YR" <w5yr@att.net>
29) [135684] Sale Ends Sunday on Clisby Miniature Machines
by "Brice D. Hornback" <bdh@cyberbound.net>
30) [135685] CQ fm EA5 results
by "Juanjo Pastor" <ec5aca@wanadoo.es>
31) [135686] Re: Binaural Receivers anyone experimenting ?
by "Graeme Zimmer" <gzimmer@bigpond.com>
32) [135687] OT Re: Re: next generation qrp equipment development
by Nelson Winter <thenels@go.com>
33) [135688] MiniDDS
by "Leon Heller" <leon_heller@hotmail.com>
34) [135689] Re: Another stupid question
by Bruce Muscolino <w6toy@erols.com>
35) [135690] Re: CQ fm EA5 results
by David Gauding <david.gauding@bbs.galilei.com>
36) [135691] NJQRP Homebrewer Sprint - Sunday Evening
by "Ken Newman" <n2cq@dandy.net>
37) [135692] Could use more info.
by "John Dorson" <jdorson@worldshare.net>
38) [135693] Re: Audio Pots
by "Mike Yetsko" <myetsko@insydesw.com>
39) [135694] Re: 1 Meg Splits on 2 Meters
by "John J. McDonough" <wb8rcr@arrl.net>
40) [135695] Re: "Anderson PowerPole"
by "Lee Mairs" <lmairs@cox.net>
41) [135696] Re: Sale Ends Sunday on Clisby Miniature Machines
by "Howard Kraus" <K2UD@adelphia.net>
42) [135697] Re: OT. VFO-230
by "Ray Goff" <radioham@gmx.co.uk>
43) [135698] Meissner Signal Shifter EX still has it...and on ten meters!

Date: Fri, 20 Sep 2002 18:52:52 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <qrp-l@lehigh.edu>
Subject: [135656] Tech Corner.
Message-ID: <000601c26100$d54442b0$4e100a0a@rohredt2000>

Folks, here is a table of standard SMT chip dimensions vs. EIA size codes:

 http://www.newark.com/esource/reftool/sept2002.html
-Stuart
K5KVH

begin 666 Tech Corner..url
M6T1%1D%53%1=#0I"05-%55),/6AT=' Z+R]W=W<N;F5W87)K+F-O;2]E<V]U
M<F-E+W)E9G1O;VPO<V5P=#(P,#(N:'1M; T*6TEN=&5R;F5T4VAO<G1C=71=
M#0I54DP]:'1T<#HO+W=W=RYN97=A<FLN8V]M+V5S;W5R8V4O<F5F=&]O;"]S
K97!T,C P,BYH=&UL#0I-;V1I9FEE9#U&,#,Q,#!".# P-C%#,C Q1D0-"@``
`
end

Date: Fri, 20 Sep 2002 19:02:08 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>

To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@lehigh.edu>
Subject: [135657] QRP Ammo
Message-ID: <01C260D8.3868F440.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Ever notice how those tape strips of components look like ammunition bandoleers?
Well, uh ...

http://www.cox-internet.com/wa5bdu/bandoleer.jpg

72, Nick, Wa5BDU

Date: Fri, 20 Sep 2002 20:07:00 -0400
From: Dave Richards <wr3i@earthlink.net>
To: leon_heller@hotmail.com,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135658] Re: A use for a can?
Message-ID: <5.1.1.6.2.20020920200401.009eab30@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Leon,
         being an expat in the US. If I had such a can I would have it
filled with syrup and save it for special occasions
Dave
WR3I

wouldAt 12:51 PM 9/20/2002 +0100, Leon Heller wrote:
>Lyle's Golden Syrup, well-known for over 100 years in the UK for making such
>delicacies as steamed suet puddings (I like them with Bird's custard), comes
>in a cylindrical steel can with a tight (probably hermetic) steel lid. The
>can looks ideal for a piece of radio-related equipment - just over 3" dia.
>and 3" high.
>
>They look very attractive in the original Victorian green and gold colour
>with a an interesting trade mark - a dead lion with bees buzzing round
>having made a hive in the carcase, with the words: "Out of the strong came
>forth sweetness". I think it's biblical.
>
>Has anyone got any clever ideas for things to put in it?
>
>Being round is a bit awkward, although it would mount nicely on a front

>panel screening a VFO, as KK7B did with his binaural Rx in the Handbook. A
>wavemeter? A microwave cavity? A dummy load?
>
>73, Leon
>--
>Leon Heller, G1HSM
>leon_heller@hotmail.com
>http://www.geocities.com/leon_heller

Date: Fri, 20 Sep 2002 19:11:55 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [135659] Another stupid question
Message-ID: <017d01c26103$7f4946a0$6d74da0c@mchsi.com>

Folks: Here is yet another question that will be easy for
you guru's.

If you have a 5K, one turn, linear pot used for your AF gain and
you find that 80% of its response is in the last
20% of its rotation, how would you change it? In other words, how
can I get the more volume in the first 50% of the pots rotation?

Thanks in advance: Jerry N0JRN

Date: Fri, 20 Sep 2002 19:19:05 -0500
From: "George, W5YR" <w5yr@att.net>
To: benlightnd13@mchsi.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135660] Re: Another stupid question
Message-ID: <3D8BBAF9.C943D3E8@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Use a log-taper pot.

73/72, George
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!

Jerry Ford wrote:
>
> Folks: Here is yet another question that will be easy for
> you guru's.
>
> If you have a 5K, one turn, linear pot used for your AF gain and
> you find that 80% of its response is in the last
> 20% of its rotation, how would you change it? In other words, how
> can I get the more volume in the first 50% of the pots rotation?
>
> Thanks in advance: Jerry N0JRN

Date: Fri, 20 Sep 2002 19:17:05 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Leon Heller" <leon_heller@hotmail.com>, <qrp-l@lehigh.edu>
Subject: [135661] Lyles Syrup can uses
Message-ID: <00a901c26104$37789cd0$4e100a0a@rohredt2000>

Leon,
Thanks for bringing up Lyle's can. I think it would make a good enclosure
for the VFO tests. And as you say it is a beautiful enclosure as it comes
from the factory!
72,
Stuart K5KVH

Date: Fri, 20 Sep 2002 20:14:46 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <benlightnd13@mchsi.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135662] Re: Another stupid question
Message-ID: <001f01c26103$e623d7a0$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Jerry Ford" <benlightnd13@mchsi.com>

> Folks: Here is yet another question that will be easy for
> you guru's.
>
> If you have a 5K,   one turn, linear pot used for your AF gain and
> you find that 80% of its response is in the last
> 20% of its rotation, how would you change it?   In other words, how
> can I get the more volume in the first 50% of the pots rotation?
>
> Thanks in advance: Jerry   N0JRN

The simplest...

Add a resistor at the one end in series. Sure, it will make your 5Kpot
that originally swept from 0-100% look like a 10K (assuming you add
a 5K resistor) that sweeps from 0-50% or 50%-100%, but then,
a 10K will probably work just as well as a 5K.

Mike

Date: Fri, 20 Sep 2002 20:45:19 -0400
From: Michael Babineau <michael.babineau@sympatico.ca>
To: qrp-l@lehigh.edu
Subject: [135663] re: Binaural Receivers anyone experimenting?
Message-ID: <67582A36-CCFB-11D6-978F-00039309268A@sympatico.ca>
Mime-Version: 1.0 (Apple Message framework v543)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

Forgot to copy the list when I replied on this one ... this may
interest others ....

Begin forwarded message:

> From: Michael Babineau <michael.babineau@sympatico.ca>
> Date: Fri Sep 20, 2002 8:37:05 PM US/Eastern
> To: stanw@toxsor.com
> Subject: re: Binaural Receivers anyone experimenting?
>
> Stan :
>
> FYI ... there is a freeware DSP filter program for the PC called
> Binster that you might be interested in
> playing with if you are interested in Binaural reception ... I played
> around with it a bit and it was interesting ...

> except the program is quite limited in its user interface so it is
> probably not ready for mass consumption.
>
> You can download it at http://www.lsear.freeserve.co.uk/page2.html
>
> Michael VE3WMB
>

Date: Fri, 20 Sep 2002 20:47:41 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: benlightnd13@mchsi.com,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135664] Re: Another stupid question
Message-ID: <5.1.1.6.2.20020920203427.029c8150@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

That is THE description of what a log (audio taper) pot does Jerry. I'd get a 5K audio taper pot instead. It will spread the gain over most of the pot instead of that "last 20%" you have now.

Remember: any time you just add resistance to the pot you are using now, all you'll accomplish is to reduce the volume 'window' the pot provides. If you hear NOTHING in that 80% where it isn't varying anything much for you, adding a 5K resistor in series will simply take your 20% 'window' (effective volume range) and turn it into a 10% window.

A partial solution would be to parallel a 5K resistor with the pot (e.g. across the two outer terminals), and add another 2.5K resistor in series with the center terminal of the pot. At max resistance, you'll still have 5K. Minimum resistance changes from 0 ohms, to 2.5K ohms... effectively limiting your maximum volume. That should increase the effective range of the pot until you can get one with the right taper.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Fri, 20 Sep 2002 18:23:31 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: elecraft@mailman.qth.net
Cc: QRP-L <qrp-l@lehigh.edu>
Subject: [135665] Elecraft Price changes take effect Oct. 15th.
Message-ID: <3D8BCA13.112F0443@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

We will be making several small changes to K1 and K2 pricing next month to reflect increased parts costs. We have worked hard to keep our prices low and have been absorbing the cost increases from our suppliers. We have limited these changes to $5 to $10 dollars per product.

The K2 base price will increase from $589 to $599. The K1-2 will go from $279 to $289 and the KPA100 will go from $349 to $359.

Full details can be found on our price list page at:
http://www.elecraft.com/elecraft_price_list.htm

All orders received before October 15th will be honored at our current, pre increase, prices.

Happily, as noted earlier, we have also been able to get a price reduction on the batteries used in our KBT2 battery option for the K2. Effectively immediately the KBT2 price is reduced to $67 and the replacement battery price is reduced from $40 to $28.

73, Eric WA6HHQ

Date: Fri, 20 Sep 2002 21:28:41 -0400
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: benlightnd13@mchsi.com

Cc: qrp-l@lehigh.edu
Subject: [135666] Re: Another stupid question
Message-ID: <5.1.0.14.1.20020920212538.00a8bec0@pop.prodigy.yahoo.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:11 PM 9/20/02 -0500, you wrote:

>Folks: Here is yet another question that will be easy for
>you guru's.
>
>If you have a 5K,   one turn, linear pot used for your AF gain and
>you find that 80% of its response is in the last
>20% of its rotation, how would you change it?   In other words, how
>can I get the more volume in the first 50% of the pots rotation?
>
>Thanks in advance: Jerry   N0JRN

Jerry,

Connect a 1K resistor from the top, or hot terminal of the pot to
the center wiper or middle terminal. That will move the overall
response curve down quite a bit. If 1K is too much, use a larger
resistor, like a 2.2K. If you really want to get scientific about
it, you can compute the required resistor value. It's a good
example of using Ohms law.

72 and GL,

Jim, K8IQY

Date: Fri, 20 Sep 2002 20:44:06 -0500
From: John Seboldt <k0jd-l@seboldt.net>
To: qrp-l@lehigh.edu
Subject: [135667] Re: Binaural Receivers anyone experimenting ?
Message-ID: <5.1.0.14.0.20020920203928.00a25370@seboldt.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:10 PM 9/20/02 -0500, you wrote:
>Anyone experimenting with binaural reception ?
>
>RE: KK7B work QST March 1999
>

>Would be interesting to hear from someone who has built one of the Binaural
>I-Q receiver on just how it compared.

I didn't build the formal receiver, but Rick himself asked me to jerry-rig my R2 to try this effect as part of the preparation for this article. If you've built an R2 and all the phase-shift networks, all you do is feed the preamps into a stereo amplifier and listen!

I personally did not find the effect useful. Indeed, upper sideband shows up on one side of center, and lower sideband shows up on the other in your headphones. The effect diminished above about 850 Hz for me.

I imagine some of the other schemes have a sharp complementary lowpass/highpass pair of filters, so the frequency spectrum puts the listening tone smack in the middle of your head, while a higher or lower frequency shifts to the left or the right. I theorized about the possibility of this in my early days. Someday I might try some of the published projects along this line.

John K0JD

Date: Fri, 20 Sep 2002 21:04:35 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135668] RE: Binaural Receivers anyone experimenting ?
Message-ID: <01C260E9.53F4E500.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Here's an audio processor to follow any rig and produce the effect, by VE3VXO on the Adventure Radio Society page.

http://www.natworld.com/ars/pages/back_issues/2001_text/0501_text/street.html

72--Nick, Wa5BDU

At 12:10 PM 9/20/02 -0500, you wrote:
>Anyone experimenting with binaural reception ?

Date: Fri, 20 Sep 2002 22:13:34 -0400

From: wkhibbert@juno.com
To: qrp-l@lehigh.edu
Subject: [135669] OT: 1 Meg Splits on 2 Meters
Message-ID: <20020920.221454.-446371.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. Keith here in the Depths of the Great Bergen Swamp

Despite not being active with the local repeater council, I do get queries about repeaters due to my appointment at Technical Coordinator here in the WNY Section.

1 MHz splits for 2 Meter repeaters are more common than most hams realize. The repeater councils in Metro NY, NJ, PA and southern New England have been coordinating them for most of 20 years, and the WPA area is going big-time to utilize the pairs in the western half of the state, which covers into the southern tier of counties here in WNY.

The recognized pairs are spaced on a 15 KHz raster starting at 146.430 MHz to 146.505 Mhz plus 146.595 Mhz. These are the outputs with the inputs up 1 MHz. Most of the 1 MHz splits are tone-accessed and have a wide coverage.

Yep, they show up on recognized simplex frequencies, but the latest ARRL Repeater Directory I have here in the shack lists the pairs as optional locally.

If you have a question about the legitimacy of one of these machine, check with your local repeater council.

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"

Date: Sat, 21 Sep 2002 02:17:05 -0400
From: "Juan Ferrari" <puntrad@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135670] OT. VFO-230

Message-ID: <00b001c26136$840762c0$6c12410c@puntana.com>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang.
This is from CE5CSV from Chile.
He is looking for an IC # UPD-8048C for repairing the Kenwood VFO of ref.
for a TS-830S
If someone has any idea where can I get one or may supply it please let me
know off the list.
TNX in advance
and 72
Juan - KG4FSN

Date: Fri, 20 Sep 2002 17:15:58 -0500
From: "Max Moon" <maxmoon@umn.edu>
To: <qrp-l@lehigh.edu>
Subject: [135671] T-T Corsair I for QRP
Message-ID: <004201c260f3$6c656920$9739fea9@computer>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Lady and Gentlemen,

I read your postings about beloved old rigs recently. You got me thinking I might be able to improve on my first & only rig (used but only 6 or 7 yrs old). While I didn't come across a Kenwood 830S, I did find a nice Corsair I (TT-560) with #260 power supply. Since some of you even preferred the Corsair, I laid my money down. So far I've only used it to receive but that's enough to convince me it'll be great. Thanks for the inspiration!

However, I'm having trouble figuring out how to set it up to run it at 5 watts. The manual says the Corsair will run "at QRPp" levels by turning the Drive level down. That works--except then, the front panel ALC LED doesn't light up (like the manual elsewhere says it should). Adjusting the Drive pot until the ALC LED comes on, after turning the front panel ALC pot completely CCW, still leaves the rig at maybe 15W (my only watt-meter is a WM2 so I only know it's a bit more than 10W).

I phoned TenTec and they tried to help but as they said, Gee, we always try to set them up for 100W, not 5! Their recommendation was to fiddle with the

Low-Level Board trimmer pots R11 and R15 in addition to the front panel Drive and ALC pots. So far my fiddling hasn't resulted in any combination of settings where the rig is putting out 5 Watts (or even 10) with the ALC LED also glowing (not counting when I turn R15 so far that the ALC LED always glows, even with the Drive pot all the way CCW).

I'm not opposed to using an attenuator but I thought one of you might've figured out how to do it with controls. If so, I'd be really grateful for a bit of elmering.

Thanks very much--

Max, k0max
maxmoon@umn.edu

PS: If anybody has a CW filter for sale, I'm in the market ;-)

Date: Fri, 20 Sep 2002 22:46:04 -0400
From: "W2WU" <w2wurjj@verizon.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135672] Fw: ARLB055 ARRL officials upbeat about reaching 5-MHz compromise
Message-ID: <000f01c26119$e23fbda0$71c2fea9@w2wu>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

the attached is self explanatory. Maybe someone will design an appropriate QRP rig. 73, Ron W2WU
----- Original Message -----
From: ARRL Web site
Sent: 20 September, 2002 15:58
Subject: ARLB055 ARRL officials upbeat about reaching 5-MHz compromise

> SB QST @ ARL $ARLB055
> ARLB055 ARRL officials upbeat about reaching 5-MHz compromise
>
> ZCZC AG55
> QST de W1AW
> ARRL Bulletin 55 ARLB055
> From ARRL Headquarters
> Newington CT September 20, 2002
> To all radio amateurs

>
> SB QST ARL ARLB055
> ARLB055 ARRL officials upbeat about reaching 5-MHz compromise
>
> ARRL President Jim Haynie, W5JBP, and General Counsel Chris Imlay,
> W3KD, say they're optimistic about reaching a resolution to issues
> that could otherwise block plans for a new 5 MHz band. Until
> surprise opposition surfaced from the National Telecommunications
> and Information Administration (NTIA), the FCC appeared to have put
> ARRL's request for a new, domestic-only, secondary amateur
> allocation at 60 meters on the fast track.
>
> In an eleventh-hour move a month ago, the NTIA recommended in a
> letter to the FCC--sent after the comment deadline--that the
> Commission not go forward with a proposal for an Amateur Radio
> allocation at 5250 to 5400 kHz. The NTIA regulates radio spectrum
> allocated to the federal government.
>
> ''We are working together with the Federal agencies involved toward a
> solution of the impasse raised by the NTIA letter,'' Imlay said after
> he and Haynie attended a series of meetings September 19 in
> Washington, DC.
>
> In an August 21 letter, acting NTIA Associate Administrator for
> Spectrum Management Fredrick R. Wentland worried that the 5 MHz
> proposal the FCC put forth last May at the ARRL's request ''does not
> adequately provide for protection from harmful interference to these
> critical government operations'' in the band.
>
> After initially huddling this week with NTIA and FCC officials and
> staff members, Haynie and Imlay met face-to-face with
> representatives of the agencies involved to share mutual concerns.
>
> ''They are willing to work with us,'' Haynie said. ''I don't think
> we'll get everything we want, but it's certainly a start.'' One
> difficulty in the negotiations is that some of the information on
> the government's use of the 5-MHz frequencies involved is
> classified.
>
> Imlay said the discussions tended to center on power restrictions
> and frequencies but emphasized that no decisions were reached. The
> ARRL proposal called for a 150-kHz wide band and the full legal
> power limit. Imlay hinted, however, that perhaps a smaller band than
> the one requested coupled with some power output limitations, was a
> real possibility.
>
> The ARRL has called the 5 MHz allocation ''an urgent priority of the
> Amateur Service.'' Until the latest snafu, the FCC had been expected

> by early next year to issue a Report and Order on proposals for the
> 5-MHz band, a new low-frequency allocation in the vicinity of 136
> kHz and primary Amateur and Amateur-Satellite status at 2400 to 2402
> MHz.
> NNNN
> /EX
>

Date: Fri, 20 Sep 2002 22:16:34 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [135673] Re: Another stupid question
Message-ID: <005301c2611d$4aa26de0$6d74da0c@mchsi.com>

Guys: Thanks very much to all of you for your response to my inquiry. I ended up playing around with several resistor values and ended up with a 4.7 K.

Now I have some audio in the lower range of the pot.

Not a complete fix but it will do until I can come up with and audio taper pot. Another trip to RS is in store tomorrow and I'll take care of my problem.

An interesting side affect of my resistor!!
  It seems to have slowed down my keyer speed. I'm having to bring the speed up on my keyer to run the speed I was running without the resistor. Still playing at this point!! I'll post final results when I get the audio pot installed.

Again thanks to the group: Jerry N0JRN

Date: Fri, 20 Sep 2002 22:21:24 -0500
From: Karl Kanalz <kkanalz@gcecisp.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135674] RE: QRP Ammo
Message-ID: <01C260F4.1ECAF760@KKANALZ>

Beautiful "shot", Nick! Just imagine a Gatling gun that fires 2N2222's at 600 tpm (Transistors Per Minute)! You could populate (or "de-populate") a board in no time at all!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: Nick Kennedy [SMTP:nkennedy@tcainternet.com]
Sent: Friday, September 20, 2002 7:02 PM
To: Low Power Amateur Radio Discussion
Subject: QRP Ammo

Ever notice how those tape strips of components look like ammunition bandoleers? Well, uh ...

http://www.cox-internet.com/wa5bdu/bandoleer.jpg

72, Nick, Wa5BDU

Date: Fri, 20 Sep 2002 22:25:10 -0500
From: Karl Kanalz <kkanalz@gcecisp.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135675] RE:Audio Pots
Message-ID: <01C260F4.9B1AB260@KKANALZ>

That's an easy one, Jerry! Just use an "audio taper" potentiometer, rather than a "linear taper" pot.

It works much smooooooother in audio applications such as yours.

Karl K - W8TIF
McKinney, Texas
P.S. There are no "stupid questions", Jerry.... Only stupid answers!

-----Original Message-----
From: Jerry Ford [SMTP:benlightnd13@mchsi.com]
Sent: Friday, September 20, 2002 7:12 PM
To: Low Power Amateur Radio Discussion
Subject: Another stupid question

Folks: Here is yet another question that will be easy for

you guru's.

If you have a 5K, one turn, linear pot used for your AF gain and
you find that 80% of its response is in the last
20% of its rotation, how would you change it? In other words, how
can I get the more volume in the first 50% of the pots rotation?

Thanks in advance: Jerry N0JRN

Date: Fri, 20 Sep 2002 23:30:20 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <wkhibbert@juno.com>,
  "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135676] Re: 1 Meg Splits on 2 Meters
Message-ID: <003501c2611f$380494e0$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
  charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: <wkhibbert@juno.com>

> Hi. Keith here in the Depths of the Great Bergen Swamp
>
> Despite not being active with the local repeater council, I do get
> queries about repeaters due to my appointment at Technical Coordinator
> here in the WNY Section.
>
> 1 MHz splits for 2 Meter repeaters are more common than most hams
> realize. The repeater councils in Metro NY, NJ, PA and southern New
> England have been coordinating them for most of 20 years, and the WPA
> area is going big-time to utilize the pairs in the western half of the
> state, which covers into the southern tier of counties here in WNY.
>
> The recognized pairs are spaced on a 15 KHz raster starting at 146.430
> MHz to 146.505 Mhz plus 146.595 Mhz. These are the outputs with the
> inputs up 1 MHz. Most of the 1 MHz splits are tone-accessed and have a
> wide coverage.
>
> Yep, they show up on recognized simplex frequencies, but the latest ARRL
> Repeater Directory I have here in the shack lists the pairs as optional
> locally.

>
> If you have a question about the legitimacy of one of these machine,
> check with your local repeater council.
>
> 73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
> President, Brockport Amateur Radio Klub
> "My night light runs more power than my Rig!!!"

Well, first off, I know those repeaters exist.

And, to be fair, repeater co-ordinators are tasked with the responsibility of co-ordinating repeaters. NOT with preserving simplex frequencies.

But it strikes me as the height of arrogance that just because you are tasked with managing repeaters, you can take ALL available frequencies for repeaters.

How many simplex frequencies are free for simplex between 146 and 148 in the New England area? Sure, they're not 'full' in any one area, but this council has taken a HUGE number of frequencies for these few repeaters.

We really need just those few extra repeaters, don't we!

Sorry if it seems I have a bad taste in my mouth, but a few years ago I ran into one of these repeaters by accident. I was traveling with my ICOM 22, the diode programmable model (I had a 27A but it was being repaired). I went west in Mass and down through CT and seems the simplex frequency I picked to move to turned out to collide with a repeater. Wow was I the target of a LOT of venom! And it didn't stop. The individuals from the repeater that tore into us for being on 'their frequency' actually followed us to continue their rants against us.

If there were any way I could petition the FCC to FREEZE all new repeater assignments in the 'simplex' area I would. I would also petition that ANY repeater that 'drops out' in the upper half of the 2M band be replaced by one of the 'simplex area' machines that would be offered the option of MOVING or go off the air.

How are we supposed to make anyone honor any kind of 'band plan' when we don't honor it ourselves? We let groups encroach on other modes?

Hey, what if a group of HAMs set themselves up as a SIMPLEX coordination council and started handing out repeater frequencies? Wouldn't that have just as much legitimacy as what has happened now?

Maybe it IS time for a request letter to go to the FCC...

Mike

Date: Fri, 20 Sep 2002 23:32:54 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kkanalz@gcecisp.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135677] RE:Audio Pots
Message-ID: <004301c2611f$937cb820$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Karl Kanalz" <kkanalz@gcecisp.com>

> That's an easy one, Jerry! Just use an "audio taper" potentiometer,
rather than a "linear taper" pot.
>
> Karl K - W8TIF

You're making a very profound assumption. That is, that he can
find a pot that will physically fit in his application.

It seems to me that he had that kind of flexibility to replace the pot,
he would have asked for the answer in that form. As it was, he
asked how to make an existing pot work.

Mike

Date: Fri, 20 Sep 2002 22:39:22 -0500
From: Don <dwittlic@apci.net>
To: n9puz@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135678] Re: "Anderson PowerPole"
Message-ID: <3D8BE9EA.FAAF69AD@APCI.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Tim, N9PUZ" wrote:
>
> On Thu, 19 Sep 2002 22:38:14 -0700, John McClain wrote:
>
> >... don't let the solder run down the contact towards the end
> >that contacts the other connector when you mate them ...
>
> Here's a technique that makes soldering the 15 Amp or 30 Amp contacts easier without worrying about getting solder in the wrong place...
>
> Use your drill press to bore a small hole somewhere near the middle of the barrel portion of the connector. >When you go to solder the terminal to your wire feed the solder through this small hole. This makes it easy to >get the solder in the barrel where you want it and makes it less likely to flow out onto the contact as it does >when you deed it in from the contact end.....
> Tim, N9PUZ
> http://www.qsl.net/n9puz

I tried Tim's technique of drilling the connector barrel and it works well.
Here is an additional step that you might use if a bit of solder sticking to the wrong surface will ruin the connector job. This sounds crude but it works.

Prepare the contact for soldering this way. Hold a lighted match or burn a candle or wooden toothpick underneath the contact. Take care to not overheat. You should quickly deposit a thin layer of unburned carbon on the areas where you want to prevent solder from sticking. Then go ahead and solder the contact as normal.   Solder will not tend to creep onto the blackened areas. Solder that falls on the blackened areas should roll off without sticking. Once the soldering is complete, clean up the blackened areas and continue with the assembly.

If you need a more professional approach to resisting solder, there are some brush-on products that are intended for the purpose.

I hope this makes the job a little easier.

--Don   WN9V

Date: Fri, 20 Sep 2002 22:46:25 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [135679] Re: T-T Corsair I for QRP
Message-ID: <5.1.1.6.0.20020920222021.00a64c50@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Max,

Congratulations on finding a Corsair I. What a great rig - a true classic. In spite of what those envious Corsair II owners try to tell you - your rig is always known as the "pretty" Corsair! <g>

I ignore the ALC light on my Corsair I when running QRP - right down to a few milliwatts. The rig runs just fine at as designed. Actually, I never gave it the ALC any thought until reading your post.

The only time I fiddle with the ALC setting is when I am testing the match/SWR on an antenna. At that time I'm trying to get as much output as I can out of the Corsair I. That's only 50W because I am using it with the Model 225 supply for my Argosy II.

All I can suggest to you is just turn drive down down to where you want it and start operating. I've been below five milliwatts indicated on the WM-2 meter with no problems noted.

If you are worried about the purity or stability of the output at very low power just listen to it in another receiver.

Good luck!

de Dave, NF0R nf0r@slacc.com

Date: Fri, 20 Sep 2002 22:52:52 -0500
From: Karl Kanalz <kkanalz@gcecisp.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135680] RE:Excuse Me!
Message-ID: <01C260F8.7F7C3E80@KKANALZ>

Gosh, Mike, I'm sorry I ruffled your thin feathers! Jerry asked what he should do to make his audio control work "properly". As you've undoubtedly seen (by now), he's going to get an audio taper potentiometer to replace the one (a linear taper) he has installed now. I don't know of many "audio taper" pots that are physically larger than a linear taper pot, so he shouldn't have any problem getting it to physically fit the space available.

As we used to say in the UK, "stuff it up your jumper, Mate!"

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: Mike Yetsko [SMTP:myetsko@insydesw.com]
Sent: Friday, September 20, 2002 10:33 PM
To: kkanalz@gcecisp.com; Low Power Amateur Radio Discussion
Subject: Re: RE:Audio Pots

----- Original Message -----
From: "Karl Kanalz" <kkanalz@gcecisp.com>

> That's an easy one, Jerry! Just use an "audio taper" potentiometer, rather than a "linear taper" pot.
>
> Karl K - W8TIF

You're making a very profound assumption. That is, that he can find a pot that will physically fit in his application.

It seems to me that he had that kind of flexibility to replace the pot, he would have asked for the answer in that form. As it was, he asked how to make an existing pot work.

Mike

Date: Fri, 20 Sep 2002 23:54:50 -0400
From: Hank Kohl K8DD <k8dd@arrl.net>
To: myetsko@insydesw.com,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135681] Re: 1 Meg Splits on 2 Meters

Message-ID: <5.1.0.14.2.20020920235350.00a832f8@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 9/20/2002 11:30 PM -0400, Mike Yetsko wrote:

>Hey, what if a group of HAMs set themselves up as a SIMPLEX
>coordination council and started handing out repeater frequencies?
>Wouldn't that have just as much legitimacy as what has happened
>now?
>
>Maybe it IS time for a request letter to go to the FCC...
>
>Mike

FCC gives us mode segments within a band. Don't think they do band plans, and
I don't think we want them to!!

I believe that the FCC has already said words to the effect if the present
repeater
coordinating body is not doing the job, they can be replaced by a new
coordinating
body.

You define "not doing the job". It almost happened in Michigan and has
happened
in the past in Ontario.

73   Hank   K8DD

*/   Hank Kohl K8DD   k8dd@arrl.net
*/   ARRL TS   http://www.qsl.net/k8dd
If God intended you to be on single sideband, he would have given you only
one nostril.
- Steve, K2PTS

Date: Sat, 21 Sep 2002 00:04:39 -0400
From: David J Adams <david@theadamsclan.com>
To: qrp-l@lehigh.edu
Subject: [135682] It's Alive...sorta
Message-ID: <3D8BEFD7.6080603@theadamsclan.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Greetings! I finished construction on my Dick Smitch 80m CW/SSB transceiver today. I applied 12v and everything light up real perty. Unfortunately, the frequency display was cycling through various random freqs. Starting at the VTO, I aligned the receiver and am pleased to report that it is dead on and working well. I then moved to the freq display board to find the prob. I checked all the voltages and they were good. I checked all the connections and they were good. I then started at the VTO injection point and started following the waveform. Got to an MPF102. Stable 6.313 in. Unstable freq out. Unstable freq changing identically to the counter...AAAAHHHH. Whip out the 102, and turn to the parts box...nope...about a million BS170s but no 102s...and living in Ann Arbor, I'm probably a 100 miles from the nearest one...oh well...maybe the shack will come through for me.

73 de dave, n9uxu

Date: Fri, 20 Sep 2002 23:09:24 -0500
From: "George, W5YR" <w5yr@att.net>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135683] Re: Audio Pots
Message-ID: <3D8BF0F4.130615B4@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Actually, Mike, he didn't.

I think that you are not remembering the exact wording of Jerry's question:

"If you have a 5K, one turn, linear pot used for your AF gain and
you find that 80% of its response is in the last
20% of its rotation, how would you change it? In other words, how
can I get the more volume in the first 50% of the pots rotation?"

The key phrase is "how would you change it?"

And the answer that Karl, several others and I gave him was to "change it"
to a log-taper pot.That is the proper answer to his second question as
well:

"In other words, how can I get the more volume in the first 50% of the pots rotation?"

He didn't ask about changing the *circuit* by tacking on resistors here and there; rather he asked specifically about changing the pot ("it"). I read nothing in his posting that amounts to asking "..... how to make an existing pot work" as you put it.

73/72, George
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!

Mike Yetsko wrote:
>
> ----- Original Message -----
> From: "Karl Kanalz" <kkanalz@gcecisp.com>
>
> > That's an easy one, Jerry! Just use an "audio taper" potentiometer,
> rather than a "linear taper" pot.
> >
> > Karl K - W8TIF
>
> You're making a very profound assumption. That is, that he can
> find a pot that will physically fit in his application.
>
> It seems to me that he had that kind of flexibility to replace the pot,
> he would have asked for the answer in that form. As it was, he
> asked how to make an existing pot work.
>
> Mike

Date: Fri, 20 Sep 2002 23:57:10 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135684] Sale Ends Sunday on Clisby Miniature Machines
Message-ID: <01f101c2612b$57bd31a0$6501a8c0@cstltn01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

FYI... the BIG SALE ends Sunday on the Clisby Miniature Machines (vertical milling machine and lathes). If you haven't seen these yet, they are tiny, precision 12-volt machining tools that you can use to build Morse code keys, paddles, cut out holes in enclosures, etc. There is nothing else like them

available. These are the machines that George, K3TKS has mentioned on this and other lists.

Check them out at:
http://www.cyberbound.net/clisby

This is your ONLY chance to get one at dealer prices.

73/72/71! de Brice KA8MAV

Date: Sat, 21 Sep 2002 10:20:00 +0200
From: "Juanjo Pastor" <ec5aca@wanadoo.es>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135685] CQ fm EA5 results
Message-ID: <001d01c26147$d2159fc0$8133243e@fer>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hello everybody,

    I had some list friends listening for my sigs but it seems they didn't find 'em. Anyway I had a QSO with K4CMC, a QROer in FL and then after some fiddling with the dial, one of the list vips, Dave NF0R in MO for a 2 x Ten Tec (he was at his Argonaut 509) 2 x QRP contact. My QSL is sure via buro. Seems cndx were a bit stiff as I couldn't make understood that my name is not Juan, but Juanjo (Juan-JO!). Anyway it was a nice evening hunt. I will be this weekend from my chalet in Picassent with a wire dipole and the same rigs, I am not so enthusiastic about crossing the Atlantic with a QRP signal, but I will try till late (hr in the wee wee hours!). I will let you know the results. CUL!

73, 72 de Juanjo, EA5CHQ-EC5ACA. EA-QRP #104, G-QRP #9742, QRP-L #1662.

Juanjo Pastor
C/San Roque, 4-1=BA
46460 Silla
SPAIN

e-mail: ea5chq@wanadoo.es

Tel.: +034 96 120 17 67
Movil: 651 35 35 11

Date: Sun, 22 Sep 2002 06:19:07 +1000
From: "Graeme Zimmer" <gzimmer@bigpond.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135686] Re: Binaural Receivers anyone experimenting ?
Message-ID: <001201c261ac$23d31360$5ddefea9@mainpc>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

> Anyone experimenting with binaural reception ?

I have one here ....
http://www.users.bigpond.com/gzimmer/FiltProgs/Binaural/default.html

It uses two slightly different passbands to generate Left and Right signals
..

It was an interesting experiment, but I don't think it is as successful as
the I&Q type..

..... Zim

Date: Sat, 21 Sep 2002 00:50:21 -0700 (PDT)
From: Nelson Winter <thenels@go.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135687] OT Re: Re: next generation qrp equipment development
Message-ID: <5441763.1032594621796.JavaMail.thenels@gomailjtp05>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Calling CQ using souped up 802.11a? Now there's a concept!

Or howabout,

Amateur Wireless Network Using TCP/IP Systems...(AWNUTS)

Hmmmmm....

Not a class C network for sure. Maybe a class W network. Yea, yea, that's it.

CQ FTP CQ FTP DE WB6DWD/AWNUTS

>What's that magical stuff? It travels through space carrying
>information. Isn't it radio? The 'box' is just an interface.
>
>Bob, AH7I (ex wb4mnf)
>
>Davies, Doug A FOR:EX wrote:
>
>> In the future , we will be known as "amateur computer operators" not
>> "amateur radio operators" because soon there will be no more "radio" in it.
>>
>> Doug VA7DD
>>
>>
>>
>
>

Experience is what you get when you don't get what you want.

Date: Sat, 21 Sep 2002 12:47:19 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-l@lehigh.edu>
Subject: [135688] MiniDDS
Message-ID: <DAV28WHZqYW8BYXifWo00001348@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've just built my own version of Jesper's MiniDDS:

http://www.myplace.nu/avr/minidds/

It's a precision LF generator using a software DDS running on an Atmel 2313 AVR. It's controlled from the PC via the RS-232 port.

I'm rather proud of the PCB, so I've put a pic of it here:

http://www.geocities.com/leon_heller/minidds.html

As always, anyone interested may have a copy of the schematic and artwork. I might be persuaded to supply PCBs, or even kits. The PCBs will be home-made, unless I get swamped with orders.

73, Leon
--
Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Sat, 21 Sep 2002 08:45:06 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: benlightnd13@mchsi.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135689] Re: Another stupid question
Message-ID: <3D8C69D2.A807E04A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

First of all, use an audio taper pot! Audio taper pots are designed to have logarithmic resistance change vs rotation. They compensate for exactly the problem you describe. There is really no way to change the taper of a pot.

73

Date: Sat, 21 Sep 2002 07:48:38 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [135690] Re: CQ fm EA5 results
Message-ID: <5.1.1.6.0.20020921073424.00a3cd50@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello again Juanjo,

Thanks for our 2 x QRP on 20CW between Valencia, Spain and St. Louis, Missouri. You were 339 and would have been easy copy without so much QRN, QRM, etc. Sorry about not getting your name exactly right. I knew you were repeating - I just could not get it completely.

Yes, I was on the old Argo 509 running four watts from my home station. The antenna was a St. Louis Pocket Vest Pocket Vertical over a set of eight St. Louis Radials.

N0TU called me right after we signed. Steve was copying you in Colorado which is another 700 miles to the west of Missouri.

Hoping to work again tomorrow during QRP Afield. I'm sure many other QRP stations will be listening for you also.

Regards,

de Dave, NF0R nf0r@slacc.com

Date: Sat, 21 Sep 2002 08:51:20 -0400
From: "Ken Newman" <n2cq@dandy.net>
To: "List Elecraft" <Elecraft@mailman.qth.net>, "W3BG" <W3BG@arrl.net>,
        "EPA-QRP Club" <EPA-QRP@yahoogroups.com>,
Subject: [135691] NJQRP Homebrewer Sprint - Sunday Evening
Message-ID: <001401c2616d$968c45a0$699dfa42@18.95.182.twsn1.md.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Please mark your QRP operating calendar Sunday evening for the

NJQRP Homebrewer Sprint

FALL --> Sept 23, 2002 0000-0400 UTC
(Sunday evening in the US)

Put down the soldering iron and get on the air with other QRP homebrewers! The NJQRP and "QRP Homebrewer" magazine are sponsoring this fun, quick and easy QRP sprint ... with a homebrew twist! Includes PSK31 mode and multipliers for home-built gear. Prizes for the winner(s) and special certificates for all.

Mission: Promote homebrewed & homemade equipment on the air together. (Kits count for homebrew). Anyone with ANY equipment can enter.

Sponsor: New Jersey QRP Club (http://www.njqrp.org)

When: The fourth Monday in March and September 0000-0400 UTC (Sunday evening in USA/Canada)

Modes: CW and PSK31. (Both modes considered separate bands) QRP CW and PSK31 frequencies recommended on 80, 40, 20, 15 and 10 meters.

Exchange: RST - State/Province/Country - Power out

QSO Points:

2 Commercial Equipment
3 Homebrew Xmtr or Rcvr
4 Homebrew Xmtr AND Rcvr or Xcvr
5 Homebrew PSK31 station
(Kits are ok for homebrew)

Power Mult: 0>250 mW = x 15, 250 mW>1W = x10, 1-5W = x7, >5W = x1. (The highest power used during the contest for the mult.)

Multiplier: State/Province/Country for all bands. The same station may be worked on more than one band for QSO points and SPC credit. CW and PSK31 are considered separate bands.

SCORE: Points(total for all bands) x SPC (total for all bands) x power multiplier.

AWARDS: Awards of current NJQRP Club kits or subscriptions to "QRP Homebrewer" will be provided based on the number of entries received. Special certificates will also be awarded.

LOGS: Entries must be received by 30 days from the contest. The log sheets and summary should be included. E-mail logs are accepted in text form. (No word processor files etc).

Also paper logs are ok.

Please include your Soapbox info with your equipment and exploits.

Send logs to:

Ken Newman, N2CQ
81 Holly Drive
Woodbury, NJ 08096

or send by email to n2cq@arrl.net

Rules at: http://www.njqrp.org/data/qrphomebrewersprint.html

Did I mention that it will be on this Sunday evening?

Date: Sat, 21 Sep 2002 09:01:33 -0400
From: "John Dorson" <jdorson@worldshare.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [135692] Could use more info.
Message-ID: <001801c2616f$067cc6e0$537d8d41@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I just love reading about the great contacts members of the list make with their QRP rigs. However I thing it would be interesting and helpful if everyone would include their antenna used for the contacts.

Thanks...
John K2JHU...
Melbourne Beach, FL
jdorson@worldshare.net
FISTS 8637, CQC 351

Date: Sat, 21 Sep 2002 09:03:09 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>

To: "George, W5YR" <w5yr@att.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
        <benlightnd13@mchsi.com>, <kkanalz@gcecisp.com>
Subject: [135693] Re: Audio Pots
Message-ID: <003701c2616f$3dc85b00$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Actually, Mike, he didn't.

Well, it didn't seem that way to me, in my reading of the post.

Specifically, he asked "In other words, how can I get the more
volume in the first 50% of the pots rotation?"

And yes, a tapered pot is more appropriate than a linear pot, but
in my mind the question was not asking to change the pot. Maybe
that was 'too' obvious.

Thing is, I've run into specific situations where it was the OTHER way.
Where you have to drag the hardware because that's what 'fits'. Like
the time I wanted to add an additional control to a radio. The only
practical way to do it, without 'hacking' the radio and looking cheesy,
was to order a single pot with a dual-concentric control with two pots.
One was controlled by the knob, and the other by the 'sleeve'. That way
I matched the 'look and feel' of the radio, only added an additional
control.
When I ordered the part and it came in, it obviously was the
value for the existing controls on the radio. To make the part work
where I wanted it, I had to do two things. One was to make the circuit
I designed and was 'building in' work with the NEW pot (controlled
by the concentric knob or ring on the shaft) and also to make the
EXISTING circuit that the single pot I was removing worked with now
work with the 'center' pot that I was putting in, which was of different
value.

I took the request to be along the lines of keeping the part for any
number
of valid reasons, and ESPECIALLY with the nature of this forum, that
the answer desired to be an 'electrical' or 'engineering' type question.
Not to be along the lines of 'change it' or 'it's broke, fix it'.

Sorry to any and all for the confusion.

Mike

Date: Sat, 21 Sep 2002 09:20:59 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135694] Re: 1 Meg Splits on 2 Meters
Message-ID: <002601c26171$bb968dc0$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Keep in mind, too, that these frequencies are decided on state by state. Here in Michigan we went to 20 KHz channel spacing a while back, rather than the 15 KHz that is more popular on the east coast. This gets a tad messy on the simplex frequencies, which aren't coordinated, since some folks use the newer 20 KHz spacing (which is probably 15 years old by now), and others the old 30 KHz spacing. It also gets messy near the state boundaries, which you have an abundance of in the upper right corner!

These repeater councils really have their hands full, and there is nothing they can do to please anyone. And because of that, they are ignored quite often.

Here in Michigan they came up with the idea that if they coordinated the PL tones as well, they could make better use of the frequencies. They came up with a plan to arrange PL tones geographically. This way repeaters on the same frequency could be closer together, and people would always know what the PL tone was. This makes sense in Michigan which is a fairly large state with practically no geography. I doubt this would make sense in New Hampshire, for instance. Of course, three quarters of the repeaters just ignore this. Of the dozen or so repeaters within easy mobile range of me, two use the assigned PL and they have it turned off 99.9% of the time.

And while I don't like the idea of moving still more simplex frequencies to repeaters, what are the repeater councils supposed to do? In most parts of the country, every repeater is close enough to another on the same frequency that there is interference at least some of the time. Meanwhile, of the 18 (by my count) simplex channels above 146, it is extremely rare that more than one is in use. I figured that was a result of being out here on the tundra where people are far apart. But last month I went back east, and even in NNJ where people (and hams) are packed in like sardines, it's pretty rare to hear any activity on simplex. Certainly at any given time, most of the channels are unoccupied. Maybe you can't use 52 as if it were your private channel, but there are plenty of places vacant. Those 2 meter

simplex segments have to be among the quietest parts of the spectrum.

Sure, I grumble about the repeater councils, too. From my narrow perspective, they seem lethargic and arrogant. But when I step back and look at what they are trying to do, I'm sure glad it isn't my job!

72/73 de WB8RCR   http://www.qsl.net/wb8rcr
didileydadidah   QRP-L #1446 Code Warriors #35

----- Original Message -----
From: <wkhibbert@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, September 20, 2002 10:13 PM
Subject: OT: 1 Meg Splits on 2 Meters

Date: Sat, 21 Sep 2002 09:04:26 -0400
From: "Lee Mairs" <lmairs@cox.net>
To: <dwittlic@apci.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135695] Re: "Anderson PowerPole"
Message-ID: <014401c26171$f1904d80$314a7642@J4>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've got to jump in on all this soldering stuff.

My experience has been that soldered connections (especially if made by the everday Joe who hasn't been to a NASA certification school) tend to crystalize and break if subject to continued vibration. I can't tell you how many faulty soldering jobs I've found surveying sailboats. Of course your mobile rig probably won't spend days at a time falling off of 6 foot waves...
73 de Lee
KM4YY

----- Original Message -----
From: "Don" <dwittlic@apci.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, September 20, 2002 11:39 PM
Subject: Re: "Anderson PowerPole"

>
> "Tim, N9PUZ" wrote:
> >
> > On Thu, 19 Sep 2002 22:38:14 -0700, John McClain wrote:
> >
> > >... don't let the solder run down the contact towards the end
> > >that contacts the other connector when you mate them ...
> >
> > Here's a technique that makes soldering the 15 Amp or 30 Amp contacts easier without worrying about getting solder in the wrong place...
> >
> > Use your drill press to bore a small hole somewhere near the middle of the barrel portion of the connector. >When you go to solder the terminal to your wire feed the solder through this small hole. This makes it easy to >get the solder in the barrel where you want it and makes it less likely to flow out onto the contact as it does >when you deed it in from the contact end.....
> > Tim, N9PUZ
> > http://www.qsl.net/n9puz
>
> I tried Tim's technique of drilling the connector barrel and it
> works well.
> Here is an additional step that you might use if a bit of solder
> sticking to the wrong surface will ruin the connector job. This
> sounds crude but it works.
>
> Prepare the contact for soldering this way. Hold a lighted match
> or burn a candle or wooden toothpick underneath the contact.
> Take care to not overheat. You should quickly deposit a thin
> layer of unburned carbon on the areas where you want to prevent
> solder from sticking. Then go ahead and solder the contact as
> normal.   Solder will not tend to creep onto the blackened
> areas. Solder that falls on the blackened areas should roll off
> without sticking. Once the soldering is complete, clean up the
> blackened areas and continue with the assembly.
>
> If you need a more professional approach to resisting solder,
> there are some brush-on products that are intended for the
> purpose.
>
> I hope this makes the job a little easier.
>
> --Don   WN9V
>

Date: Sat, 21 Sep 2002 09:32:25 -0400
From: "Howard Kraus" <K2UD@adelphia.net>
To: <bdh@cyberbound.net>
Cc: <qrp-l@lehigh.edu>
Subject: [135696] Re: Sale Ends Sunday on Clisby Miniature Machines
Message-ID: <002901c26173$52ea1100$07633018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I could use one of those right now to make a rectangular cut in the front
panel of an aluminum enclosure. Who's got one?!

72

Howard Kraus, K2UD
----- Original Message -----
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, September 21, 2002 12:57 AM
Subject: Sale Ends Sunday on Clisby Miniature Machines

> FYI... the BIG SALE ends Sunday on the Clisby Miniature Machines (vertical
> milling machine and lathes). If you haven't seen these yet, they are
tiny,
> precision 12-volt machining tools that you can use to build Morse code
keys,
> paddles, cut out holes in enclosures, etc. There is nothing else like
them
> available. These are the machines that George, K3TKS has mentioned on
this
> and other lists.
>
> Check them out at:
> http://www.cyberbound.net/clisby
>
> This is your ONLY chance to get one at dealer prices.
>
> 73/72/71! de Brice KA8MAV
>
>
>

Date: Sat, 21 Sep 2002 14:53:18 +0100
From: "Ray Goff" <radioham@gmx.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135697] Re: OT. VFO-230
Message-ID: <001201c26176$b528a450$73f00350@starfishrcg>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Juan,

> He is looking for an IC # UPD-8048C for repairing the Kenwood VFO of ref.
> for a TS-830S

The chip in question is a programmed single chip microprocessor which needs
to be programmed specifically for the application. You will have trouble
finding a corrrectly programmed chip!

72/73

Ray, G4FON

Date: Sat, 21 Sep 2002 11:56:32 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [135698] Meissner Signal Shifter EX still has it...and on ten meters!
Message-ID: <F4rKVUDhCiBdk4RA59w00001b84@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Just worked OH0TA on ~ 28046 kHz using the Meissner Signal Shifter, model EX
at five watts out to the longwire...wow, nearly EIGHT wavelengths on THIS
band :)...I feel like I have a big contest station or something... Sent and
received 5NN <g> some sort of contest...

Lucky for me he was near the second harmonic of my 14023 xtal!
It only chirps a LITTLE...but that's the great thing about a little
chirp...you can cover SEVERAL freqs just by hitting the key...
Used the Radio Shack DX-390 (now THERE'S a great 10 meter rcvr).

Sure wish I had a Rock-Mite-10...or facsimile thereof...

73.
Bill, N4QA
http://www.qsl.net/n4qa/

Date: Sat, 21 Sep 2002 10:21:25
From: Tim and Michele Groat <tmgroat@peakpeak.com>
To: qrp-l@lehigh.edu
Subject: [135699] RE: ANT: Supporting Portable Masts
Message-ID: <3.0.3.16.20020921102125.488f03b4@peakpeak.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've used a large wooden cable spool. I added iron pipe flanges and
nipples to the bottom end to keep the mast from slipping out sideways
(the pipe is on the inside). You can apply sandbags or rocks as needed
for stability. It also is a handy place to store the feed-line when
you're not using it. Definitely too big for back-packing, though!

72/73,
--KR0U

"Jerry Bartachek" <leadsheet@musician.org>:
> ...
> I want a cheap, home made support. I thought about a 4 ft PVC
> pipe base with a tee at its bottom and 4 ft of pipe perpendicular
> to that pipe base plus 2 guys each 90 degrees away from the bottom
> tee "foot". I'd like to hear about your methods.

Date: Sat, 21 Sep 2002 17:38:25 +0100 (BST)
From: J.Bennett@lboro.ac.uk
To: leadsheet@musician.org, Jerry Bartachek <leadsheet@musician.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [135700] Re: ANT: Supporting Portable Masts
Message-ID: <1032626305.3d8ca08133758@staff-webmail.lboro.ac.uk>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 8bit

Hi Jerry,

One method you might consider is to fabricate a wheel bracket. This Bracket is made from Steel or Ali, w.h.y. , and is formed by bending or welding a piece (s) of sheet metal at right angles with maybe a small cross angle brace to maintain the right angle. The bracket is then driven on by the wheel of your car, so that the vertical part of the right angle is vertical and the car tyre is on the horizontal bit, which is of course on the ground. The mast support is a piece of ali pipe which just fits comfortably inside the telescpic mast, and wraped around at the top foot or so with something soft to protect the inside of the SD20 or pole, and is fixed to the bracket with two muffler clamps through the vertical sheet so that the mast itself is then vertical. The Pole can be say around 5 ft tall and have a what we call a "Jubilee Clip" fixed on it around a foot or so from the top. This will provide a stop to limit how far down the pole the SD20 or Fishing pole sits. It is cheap, simple to make, and goes together or pulls apart in less than ten minutes. The whole cabudle fits in the trunk and away you go!

72,
Jack
G3PVG

Quoting Jerry Bartachek <leadsheet@musician.org>:

> I'm contemplating some couch potato portable next spring (not
> backpacking... just driving to a public park). What are your
> favorite methods of supporting SD 20 poles and other telescopic
> masts?
>
> I want a cheap, home made support. I thought about a 4 ft PVC
> pipe base with a tee at its bottom and 4 ft of pipe perpendicular
> to that pipe base plus 2 guys each 90 degrees away from the bottom
> tee "foot". I'd like to hear about your methods.
>
> 73,
> Jerry KD0CA
> QRP-L #544
> QRP ARCI #5166
> FISTS Club #7064
>
>
>
> --
> ____

> Sign-up for your own FREE Personalized E-mail at Mail.com
> http://www.mail.com/?sr=signup
>
>
>

Date: Sat, 21 Sep 2002 12:41:40 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [135701] THANKS PAUL (KB0LUR)
Message-ID: <00c301c26196$2500e700$6d74da0c@mchsi.com>

Paul: Thanks for the QSO. I appreciate you working with me through the QRM. My SW 20 + is still a work in progress and wanted to give a good burn in.
Thanks for helping me out with that.

I was running 1.5 watts into an 80 mtr loop at 10 feet so I really appreciate the 569 rpt. I have a FreqMite on the way so I can tell where I am in the bands. After I get that in, I should be good to go with this one.

Dave just keeps cranking these things out and they are a ton of fun to build and use.

C U L Paul: Jerry N0JRN

Date: Sat, 21 Sep 2002 10:55:50 -0700
From: "blinn" <blinn@smgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135702] CW Training Software
Message-ID: <002101c26198$204c74c0$d48aa242@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just downloaded Ray's (G4FON) latest version of his CW software. It's a great program for teaching or learning. My primary interest is teaching, as I've been sending lessons manually via the keyer and audio amp to students at various times over the last 25 years. Now I can refill my

coffee cup while the kids are learning characters. It's great!

Ray's software now allows the user to select text files, it generates random common words, and you can choose additional spacing between characters as well as speeds from 15 to 50 WPM. I start my kids (some adults too) at 20 WPM (spaced very slow) until they can copy the whole she-bang. We slow down gradually to 15 a couple weeks before test time. You'd be surprised how quickly they catch on.

One of my students, under a control operator, went on the air last Thursday night after 4 weeks (eight sessions) of classes and I was rewarded with live, on the air CW at 20 WPM flawless characters. (I think he's been working his dad (WA7ZYQ) at the kitchen table with his paddle and keyer.) Now, with Ray's help, this teaching task will become even easier! (On me as well as the students.)

If you are teaching Morse or want to improve your skills, try this one. It's excellent.

Go here: http://www.qsl.net/g4fon/Opener.html to Ray's page, read his story and download this great software.

Thanks again Ray.

Bill - WA7TQK

PS:
One other note of interest, after the students learn to copy all the characters, it's a good idea to teach them how to send. We've just started promoting the use of a good keyer and set of paddles for this... no, not a straight key. Who needs that frustration? :) So, we are providing some parts and teaching them Manhattan style building as they build their own keyer.

--

Date: Sat, 21 Sep 2002 10:37:05 -0500
From: "Max Moon" <maxmoon@umn.edu>
To: <qrp-l@lehigh.edu>
Subject: [135703] Re: T-T Corsair I for QRP
Message-ID: <001c01c26184$bd790ec0$9739fea9@computer>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks everybody for your helpful answers. After reading your e-mails, my
questions just vanished!

72s,
Max, k0max

Date: Sat, 21 Sep 2002 17:18:49 -0400
From: Hal Offutt <japancorporateresearch@compuserve.com>
To: QRP-l <qrp-l@lehigh.edu>
Subject: [135704] Thanks for the Info re 100 watt rigs on QRP
Message-ID: <200209211719_MC3-1-111B-2EE1@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
         charset=ISO-8859-1
Content-Disposition: inline

Hello,

Thanks to everyone who responded to my question about using a 100 watt ri=
g
for QRP work. I received many replies and all were very helpful and
encouraging. The bottom line: I shall use my 100 watt rig on QRP with
absolutely no guilt whatsoever.

It's sure been interesting to me to monitor this reflector for the past f=
ew
days. Seems like a nice, knowledgeable group. I'm in Japan and the
messages just stream in throughout all hours of the day and night. I
wonder when some of you guys sleep.

I'm not sure if I should hang around permanently, however. The reports
about all these cool little homebrew QRP rigs have already whetted my
appetite. Spending time here could clearly be risky to the wallet and th=
e

schedule.

Thanks again!

73,

Hal W1NN =

Date: Sat, 21 Sep 2002 15:01:36 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135705] QRP-AFIELD
Message-ID: <001001c261ba$74d4a720$077379a5@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

I've got the FT-817 and MP-1 set up on the YL's porch in Long Beach running on a gel cell, and have worked a few on 15, but none on 20 as of yet. Seems to be another contest going on too. Did hear Doc K0EVZ at about 19:50 UTC on 20, but couldn't work him. Not hearing a lot of others though. It was the YL's birthday yeasterday, so we have a few plans today, but she knew about the event and gave me a bit of time to play radio,Hi! Hope to hear a few of you!

73's Trev KG6CYN
http://home.earthlink.net/~kg6cyn
http://www.qsl.net/kg6cyn

Date: Sat, 21 Sep 2002 18:33:12 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [135706] Rig info: Meissner Signal Shifter, model EX
Message-ID: <F65PzQT456UnHAaaz7E00001155@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Have received a few emails expressing interest (for some, disbelief) in the

Meissner Signal Shifter, model EX. I am happy to say that I use this rig 80 thru 10 and it still gives me hours of shear operating pleasure :) Had one just like it for my first Novice rig back in 1965 which my Dad, W4MAI, used in 1947...
If you'd like to read a little about it, see my reviews at:
http://www.eham.net/reviews/detail/759

And please, ignore my comment there about using the rig for PSK31...it won't work(not in a legal manner, that is)...George, W5YR, tried to tell me but ol' hardhead here just wouldn't listen...had to experiment for myself :)
What you can't see in the photo are the voltage regulator tubes glowing...one each, bright orange and purple...inside the rig...nor the tuning eye tube on the front panel which glows a nice green...The tubes' filaments glow a sort of dull orange too.
Ah, such warmth...

73.
Bill, N4QA
http://www.qsl.net/n4qa/

Date: Sat, 21 Sep 2002 16:44:18 -0600
From: "P. Ermisch" <ermisch@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [135707] Re: [QRP-AFIELD]
Message-ID: <200209212246.g8LMkQnv019578@rain.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Pretty slow for me here in Colorado - worked from about 1630 to 2130 UTC =
and
only 50 contacts between 20 and 15. I think I have an antenna problem. =

Probably could've done more but I get bored and jump around the bands a l=
ot. =

K0EVZ was booming for most of that time for me.

Paul KB0LUR

"Trevor Jacobs" <kg6cyn@earthlink.net> wrote:

> Hi Gang,
> =

> I've got the FT-817 and MP-1 set up on the YL's porch in Long Beach run=
ning
> on a gel cell, and have worked a few on 15, but none on 20 as of yet. S=
eems
> to be another contest going on too. Did hear Doc K0EVZ at about 19:50 U=
TC
on
> 20, but couldn't work him. Not hearing a lot of others though. It was t=
he
> YL's birthday yeasterday, so we have a few plans today, but she knew ab=
out
> the event and gave me a bit of time to play radio,Hi! Hope to hear a fe=
w of
> you!
> =

> 73's Trev KG6CYN
> http://home.earthlink.net/~kg6cyn
> http://www.qsl.net/kg6cyn
> =

> =

End of QRP-L Digest 2685
****
